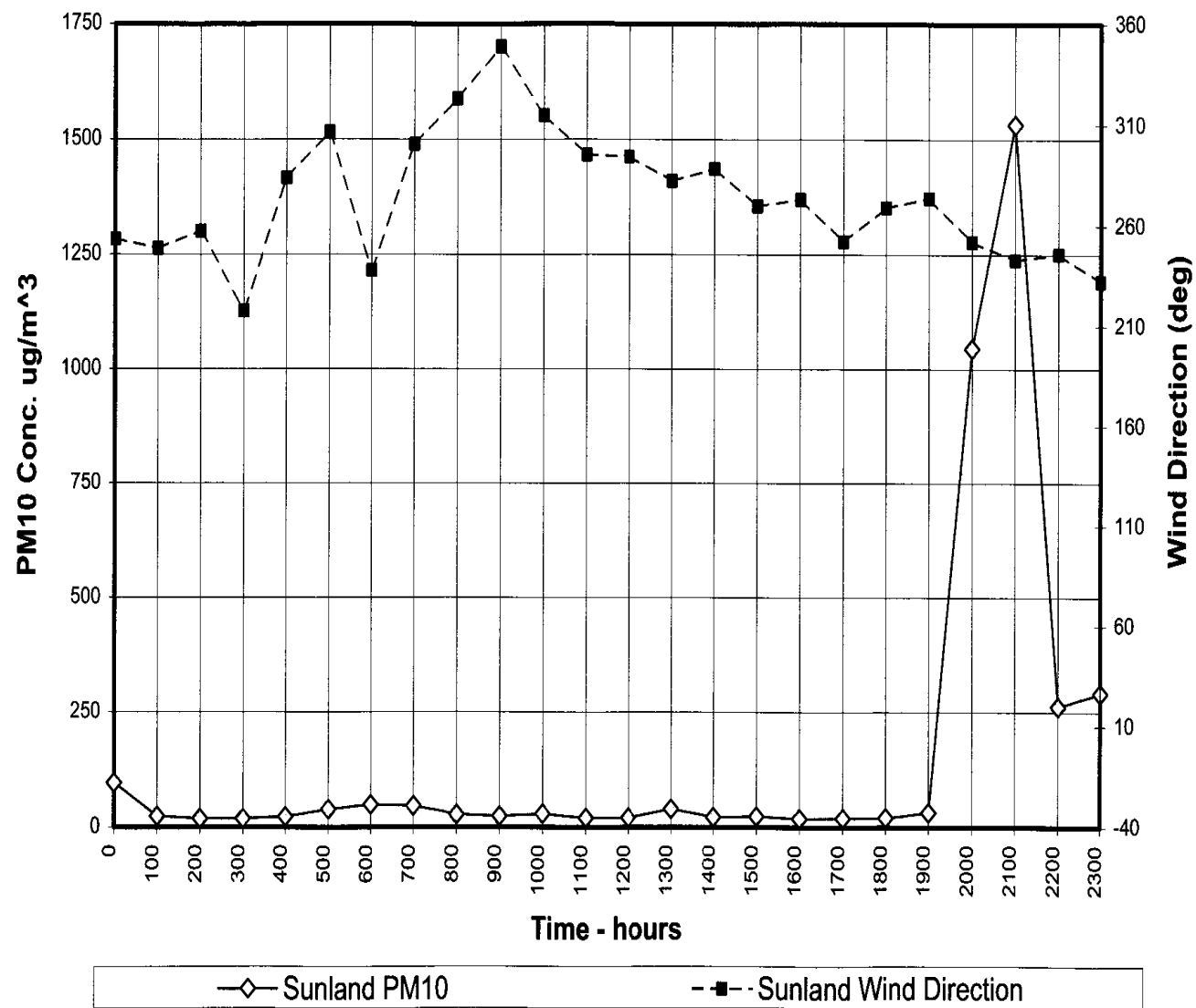
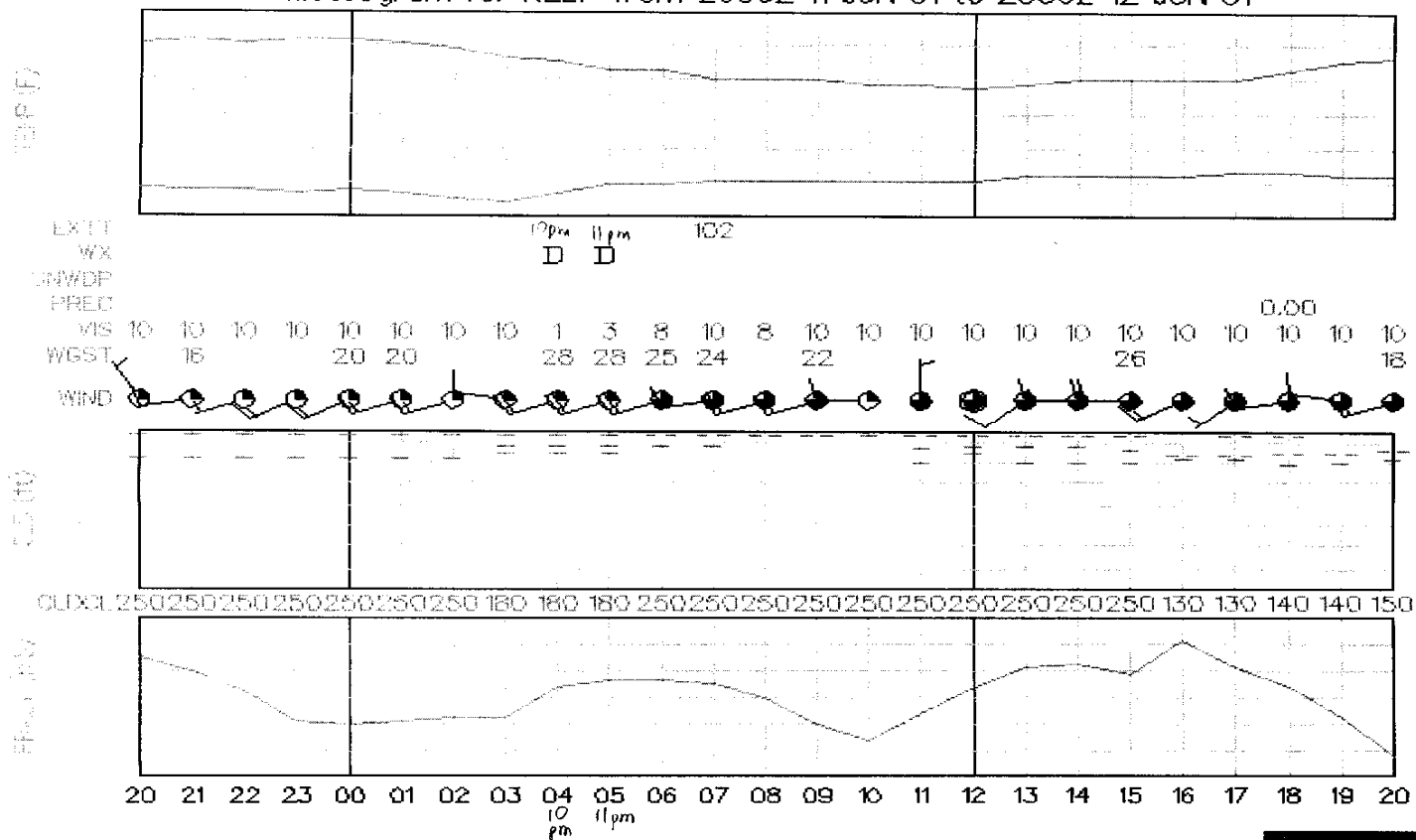


June 11, 2001 - Sunland Park



Meteogram for KELP from 2000Z 11 JUN 01 to 2000Z 12 JUN 01



PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6)

STATION: EL PASO, TX
 MONTH: JUNE
 YEAR: 2001
 LATITUDE: 31 47 N
 LONGITUDE: 106 24 W

TEMPERATURE IN F:										:PCPN:		SNOW:		WIND		:SUNSHINE:				SKY		:PK WND	
1	2	3	4	5	6A	6B	7	8	9	10	11	12	13	14	15	16	17	18					
AVG MX 2MIN										SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR					
DY	MAX	MIN	AVG	DEP	HDD	CDD	WTR	SNW	DPTH	SPD	SPD	DIR	MIN	PSBL	S-S	WX	SPD	DR					
1	101	69	85	8	0	20	0.00	0.0	0	10.0	25	280	M	100	2		31	270					
2	100	75	88	11	0	23	0.00	0.0	0	15.8	30	270	M	100	1		37	230					
3	96	76	86	8	0	21	0.00	0.0	0	19.0	36	240	M	99	1 8		41	250					
4	95	74	85	7	0	20	0.00	0.0	0	19.2	30	240	M	100	1		37	250					
5	94	73	84	6	0	19	0.00	0.0	0	10.9	28	260	M	100	0		32	260					
6	97	66	82	3	0	17	0.00	0.0	0	4.5	16	280	M	100	1		18	270					
7	98	64	81	2	0	16	0.11	0.0	0	11.0	31	50	M	74	6 3		41	360					
8	90	71	81	2	0	16	T	0.0	0	8.8	20	170	M	93	7 3		25	70					
9	93	68	81	2	0	16	0.00	0.0	0	6.9	21	110	M	94	6 3		24	100					
10	101	71	86	6	0	21	0.00	0.0	0	6.3	18	10	M	98	1		22	10					
11	102	71	87	7	0	22	0.00	0.0	0	10.9	30	250	M	96	3		40	250					
12	98	78	88	8	0	23	T	0.0	0	15.5	32	250	M	74	6 8		39	240					
13	95	75	85	5	0	20	0.00	0.0	0	23.5	32	240	M	100	0 8		40	250					
14	89	67	78	-3	0	13	0.00	0.0	0	9.6	29	250	M	100	0		37	240					
15	96	62	79	-2	0	14	0.00	0.0	0	7.2	15	180	M	100	1		20	140					
16	97	72	85	4	0	20	0.00	0.0	0	9.1	24	100	M	96	1		30	120					
17	94	70	82	1	0	17	0.00	0.0	0	7.9	32	340	M	86	4 38		36	340					
18	96	72	84	3	0	19	0.00	0.0	0	8.9	28	80	M	84	5 8		32	90					
19	99	72	86	5	0	21	0.02	0.0	0	9.1	29	100	M	76	6 38		36	20					
20	97	69	83	1	0	18	0.00	0.0	0	6.6	25	40	M	84	6 3		29	40					
21	95	69	82	0	0	17	0.00	0.0	0	8.7	21	100	M	68	4		26	120					
22	95	71	83	1	0	18	0.00	0.0	0	7.2	21	80	M	92	4		25	80					
23	100	73	87	5	0	22	T	0.0	0	8.3	28	270	M	78	6 3		33	270					
24	100	75	88	6	0	23	0.00	0.0	0	9.6	28	280	M	68	6 3		35	270					
25	97	67	82	0	0	17	0.16	0.0	0	9.1	25	140	M	66	7 3		32	120					
26	85	67	76	-6	0	11	0.01	0.0	0	6.6	29	150	M	49	8		31	150					
27	88	65	77	-5	0	12	T	0.0	0	5.6	17	180	M	89	6		21	180					
28	98	69	84	2	0	19	T	0.0	0	6.6	24	40	M	74	5 83		28	50					
29	98	69	84	2	0	19	0.00	0.0	0	6.2	15	310	M	69	6		17	300					
30	98	72	85	3	0	20	0.00	0.0	0	7.0	26	70	M	94	6 3		33	70					
SM					2882 2112		0 554 0.30		0.0 295.6		M		115										
AV					96.1 70.4				9.9 FASTST		PSBL %		4		MAX (MPH)								
							MISC ---->		36 240						41 360								

NOTES:

LAST OF SEVERAL OCCURRENCES

COLUMN 17 PEAK WIND IN M.P.H.

PRELIMINARY LOCAL CLIMATOLOGICAL DATA (WS FORM: F-6) , PAGE 2

STATION: EL PASO
 MONTH: JUNE
 YEAR: 2001
 LATITUDE: 31 47 N
 LONGITUDE: 106 24 W

[TEMPERATURE DATA]

[PRECIPITATION DATA]

SYMBOLS USED IN COLUMN 16

AVERAGE MONTHLY: 83.2
 DPTR FM NORMAL: 2.6
 HIGHEST: 102 ON 11
 LOWEST: 62 ON 15

TOTAL FOR MONTH: 0.30
 DPTR FM NORMAL: -0.37
 GRTST 24HR 0.17 ON 25-26
 SNOW, ICE PELLETS, HAIL
 TOTAL MONTH: 0.0 INCH

1 = FOG
 2 = FOG REDUCING VISIBILITY
 TO 1/4 MILE OR LESS
 3 = THUNDER
 4 = ICE PELLETS
 5 = HAIL

Surface Winds (knt)

WAF analysis for 00Z 12 JUN 01

© UNISYS

15.1 28.1

0 20 40 60 80 10 14 18 22 26 30

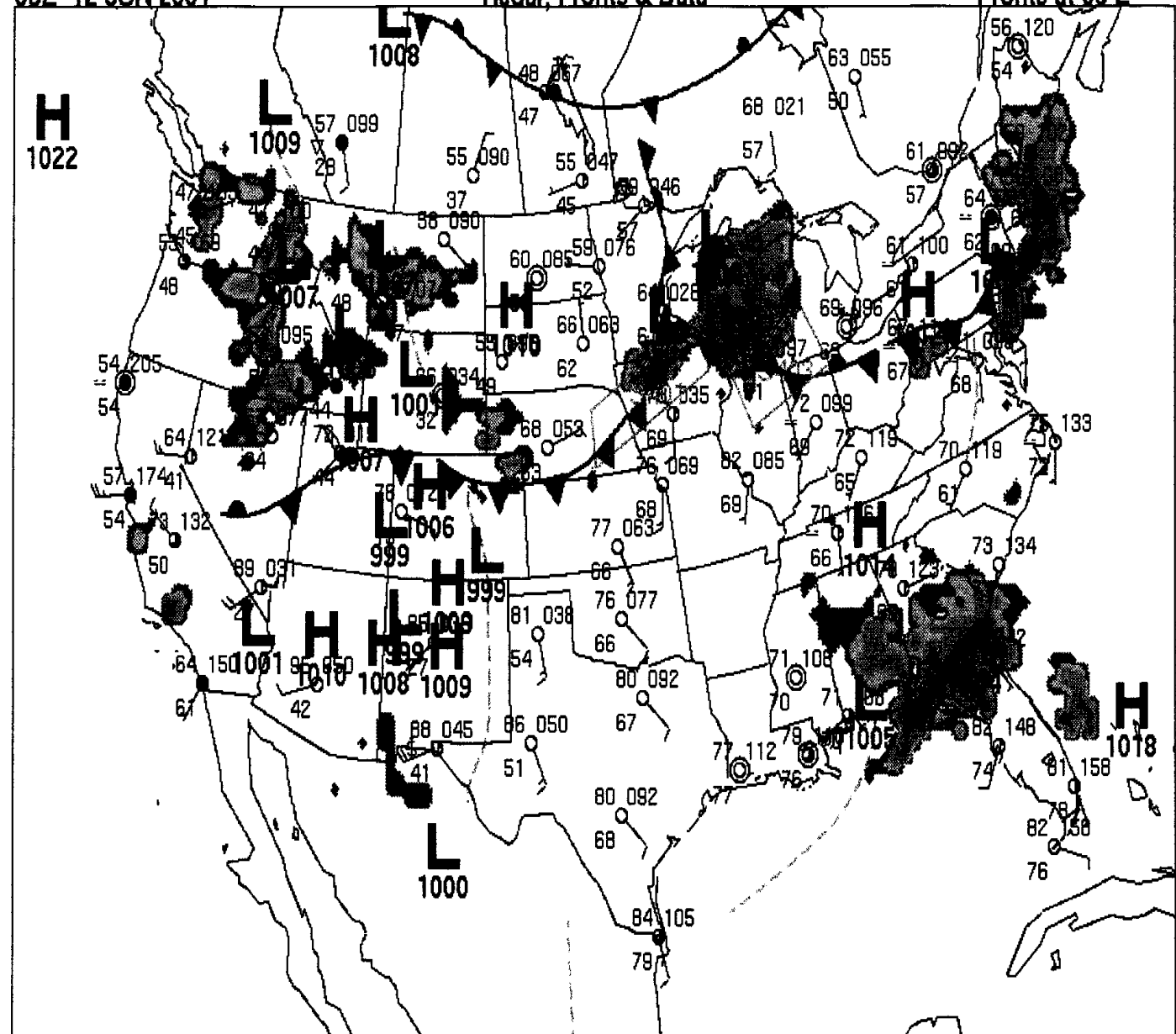
0532 UTC 12 Jun 2001 Infrared Image (c)2001 UCAR <http://www.rap.ucar.edu/weather/satellite>



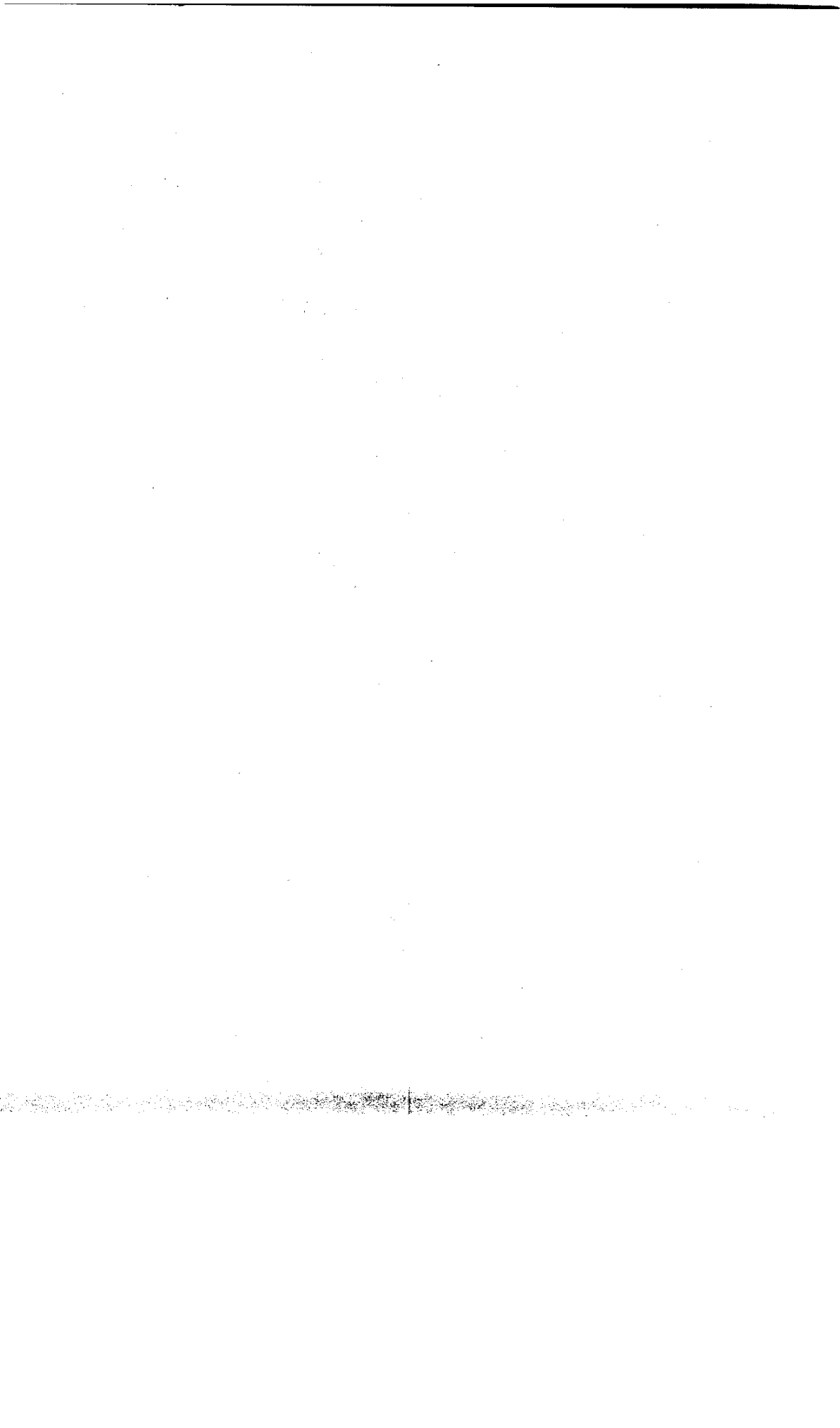
05Z 12 JUN 2001

Radar, Fronts & Data

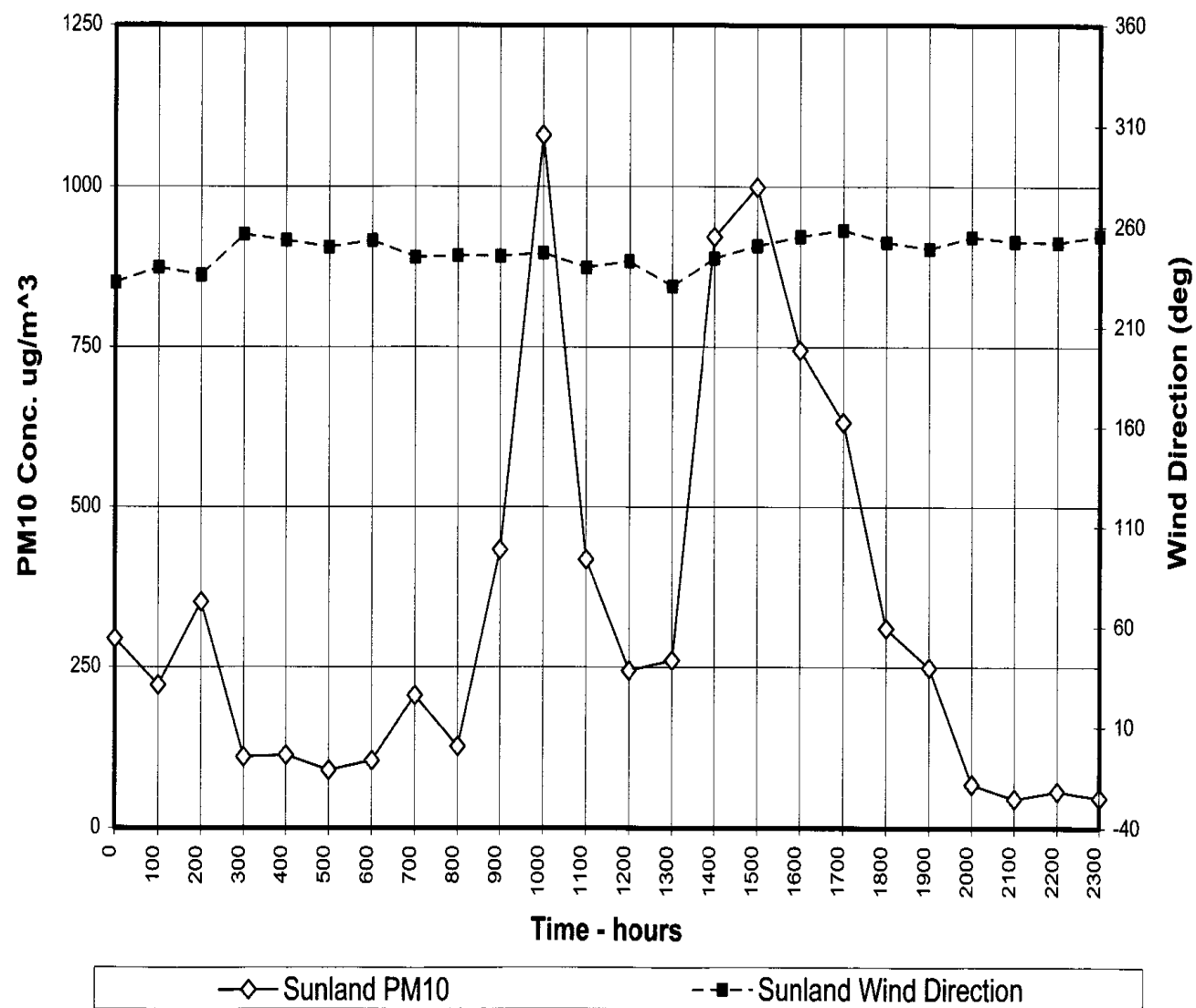
Fronts at 03 Z



Echo Intensities: 1 2 3 4 5 6



June 13, 2001 - Sunland Park



FXUS65 KABQ 130954
AFDABQ

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE ALBUQUERQUE NM
353 AM MDT WED JUN 13 2001

COLD FRONT HEADING INTO THE FOUR CORNERS FROM THE NORTHWEST AS OF THIS WRITING. CLOUDS ARE ATTENDING THE BAROCLINIC ZONE AND WILL SPREAD OVER THE NORTHWESTERN ZONES IN THE NEXT FEW HOURS.

A RATHER STRONG UPPER TROUGH FOR THIS TIME OF YEAR TO AFFECT THE AREA TODAY INTO TONIGHT. EXPECT WINDY CONDITIONS OVER THE ENTIRE AREA BY EARLY AFTERNOON DUE TO MIXDOWN OF MID LEVEL WINDS OVER THE EASTERN AND SOUTHERN ZONES AND THE PASSAGE OF THE COLD FRONT ACROSS THE NORTHWESTERN ZONES. SOME SHOWERS AND THUNDERSTORMS SHOULD DEVELOP IN THE BAROCLINIC ZONE OVER THE NORTHWESTERN AND NORTHCENTRAL ZONES DURING THE DAY WITH SOME LINGERING SHOWERS AND THUNDERSTORMS FORECAST FROM THE NORTHERN MOUNTAINS TO THE NORTHEAST PLAINS THIS EVENING AS STRONG LIFT EXPECTED TO ACT ON A marginally moist and UNSTABLE AIRMASS. A COOL TO COLD NIGHT FOR THE SEASON EXPECTED AREAWIDE TONIGHT.

ADDITIONAL COOLING FORECAST FOR THE EASTERN AND SOUTHERN ZONES THURSDAY AS UPPER TROUGH MOVES NORTHEAST OF THE AREA. WARMER AREAWIDE FRIDAY AS UPPER HIGH REBUILDS OVER THE BIG BEND AND CHIHUAHUA.

CENTER OF THE UPPER HIGH FORECAST TO DRIFT NORTHWEST OVER THE AREA DURING THE PERIOD SATURDAY THROUGH TUESDAY. SOME INTRUSION OF MID LEVEL MOISTURE FROM THE SOUTHEAST AND SOUTH SHOULD OCCUR DURING THIS PERIOD...RESULTING IN A SLIGHT CHANCE OF HIGH BASED THUNDERSTORMS IN THE AFTERNOON AND EVENING HOURS...ESPECIALLY NEAR THE SOUTHERN MOUNTAINS.

ABQ NU 087/053 084/055 088 38110
SAF NU 081/042 079/043 084 38110
TCC NU 094/056 084/054 088 380-0

.ABQ...WIND ADVISORY NOON TILL SUNSET NMZ003-008>011-014>017-026.

AWUS45 KABQ 131148
SWSNM
NEW MEXICO WEATHER SUMMARY
NATIONAL WEATHER SERVICE ALBUQUERQUE NM
545 AM MDT WED JUNE 13 2001

...WIND ADVISORY MOST OF CENTRAL AND SOUTHWEST NEW MEXICO TODAY...

CLOUDLESS SKIES WERE THE RULE ACROSS MUCH OF NEW MEXICO OVERNIGHT. THE ONLY EXCEPTIONS WERE ACROSS SOUTHEAST...SOUTHCENTRAL AND FAR NORTHWEST AREAS OF THE STATE WHERE PATCHY MID AND HIGH CLOUDS WERE NOTED. DESPITE A STRONG AND UNSEASONABLY COLD STORM SYSTEM BEGINNING TO IMPACT THE NORTHERN AND CENTRAL ROCKIES OVERNIGHT...THE ATMOSPHERE OVER NEW MEXICO REMAINED TOO DRY FOR ANY PRECIPITATION OR EVEN MUCH IN THE WAY OF CLOUDINESS. A FEW LOCALES ACROSS THE STATE RECORDED GUSTY WINDS AT TIMES OVERNIGHT...BUT THESE WERE MAINLY ON HIGHER RIDGES AND THE EAST SIDES OF THE RIDGES.

HIGH TEMPERATURES TUESDAY RANGED FROM THE MID 70S TO 80S MOUNTAINS AND NORTH WITH 90S TO LOWER 100S IN THE SOUTH. THE RANGE OF HIGH TEMPERATURES WAS 74 AT CLOUDCROFT TO 104 AT HOBBS.

THE UPPER LEVEL HIGH PRESSURE THAT WAS OVER OR NEAR NEW MEXICO MOST OF THE MONTH HAS BEEN SHOVED TO THE EAST BY A STRONG UPPER LEVEL LOW MOVING INTO THE CENTRAL AND NORTHERN ROCKIES. THE WINDS AROUND THE BASE OF THIS SYSTEM WILL HELP AGAIN TODAY TO INCREASE THE SURFACE WINDS FROM LATE MORNING INTO THE EARLY EVENING HOURS. PLUS SURFACE PRESSURE DIFFERENCES BETWEEN NORTHEAST AND SOUTHWEST NEW MEXICO WILL BE ENOUGH TO ADD TO THE WINDS. SPEEDS WILL BE IN THE 20 TO 35 MPH RANGE...ALONG WITH SOME HIGHER GUSTS...FROM ROUGHLY MIDDAY THROUGH THE AFTERNOON FOR MUCH OF THE STATE. THE STRONGEST WINDS WILL MAINLY BLOW ACROSS CENTRAL AND SOUTHWEST NEW MEXICO AND OVER AND JUST EAST OF THE HIGH TERRAIN ACROSS MUCH OF THE REST OF THE STATE. FOR THIS REASON MANY OF THESE AREAS ARE UNDER A WIND ADVISORY. BLOWING DUST WILL ALSO BE A PROBLEM AT TIMES IN THE LOWLANDS OF THE STATE THIS AFTERNOON. THE COMBINATION OF STRONGER WINDS AND LOW HUMIDITIES WILL CONTINUE THE INCREASED FIRE DANGER ACROSS A GOOD PART OF THE STATE TODAY...THOUGH THE NORTHERN MOUNTAINS AND NORTHWEST WILL SEE ENOUGH COOLING TO ALLEVIATE IT JUST SLIGHTLY. A COLD FRONT WILL CROSS THE NORTHWEST HALF OR TWO THIRDS OF THE STATE THROUGH THE DAY TODAY AND REACH THE SOUTHEAST LATER TONIGHT AND THURSDAY. ISOLATED SHOWERS OR THUNDERSTORMS COULD BREAK OUT ACROSS PORTIONS OF NORTHERN NEW MEXICO THIS AFTERNOON TONIGHT...BUT NOT A LOT OF PRECIPITATION IS EXPECTED.

A RIDGE OF HIGH PRESSURE WILL BUILD OVER NEW MEXICO AGAIN AT THE END OF THE WEEK INTO EARLY NEXT WEEK RESULTING IN A WARMING TREND ONCE AGAIN. THERE WILL BE A SLIGHT CHANCE FOR THUNDERSTORMS OVER THE WEEKEND AND EARLY NEXT WEEK...MAINLY ACROSS THE SOUTH...AS SOME MOISTURE TRIES TO WORK INTO THE STATE FROM THE SOUTH AND SOUTHEAST.

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AWUS45 KABQ 131721
SWSNM
NEW MEXICO WEATHER SUMMARY
NATIONAL WEATHER SERVICE ALBUQUERQUE NM
1130 AM MDT WED JUNE 13 2001

...WIND ADVISORY MOST OF WEST AND CENTRAL NEW MEXICO TODAY...

HIGH CLOUDS CONTINUED TO INCREASE ACROSS NORTHWEST NEW MEXICO THIS MORNING SIGNALING AN APPROACHING COLD FRONT THAT WILL BRING ONLY TEMPORARY RELIEF FROM WARM TEMPERATURES AND LOW HUMIDITIES.

WINDS HAD ALSO BEGUN TO INCREASE AND WILL BE REACHING GUSTY LEVELS BY EARLY AFTERNOON. WINDSPEEDS AT 11 AM WERE ALREADY UP BY 5 TO 10 MPH COMPARED TO TUESDAY MORNING. WIND ADVISORIES ARE POSTED THROUGH ABOUT 6 PM FOR ALL AREAS EXCEPT SOUTHEAST NEW MEXICO.

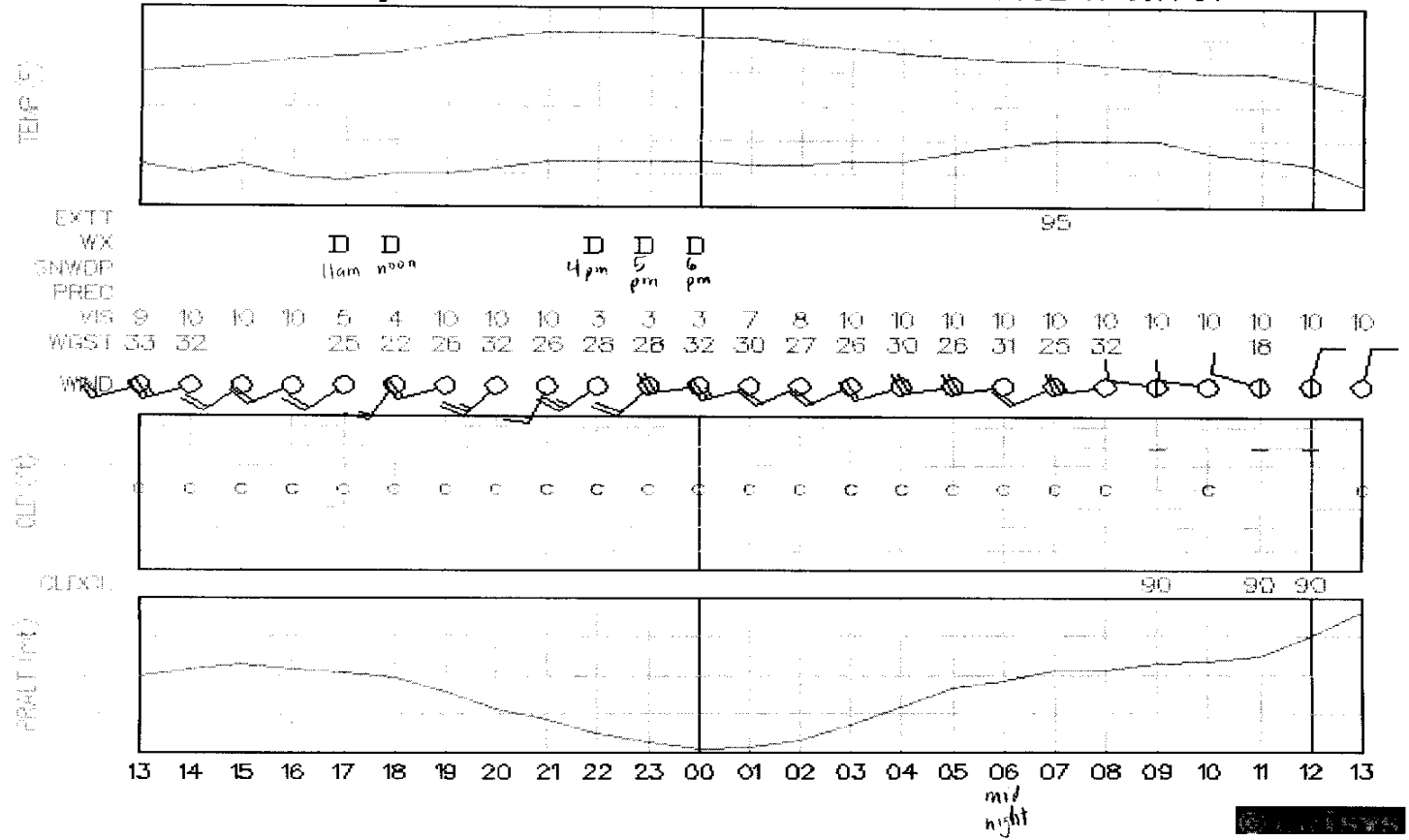
LATE MORNING TEMPERATURES WERE ALSO WARMING RAPIDLY SO ANOTHER WARM TO HOT AFTERNOON IS LIKELY DESPITE THE CLOUDS MOVING INTO THE FAR NORTH. LOWS THIS MORNING AT SUNRISE HAD DIPPED INTO THE 50S AND 60S FOR MOST AREAS...BUT GRANTS AND THE NORTHERN MOUNTAIN COMMUNITIES COOLED INTO THE 40S. CHAMA CLAIMED THE HONORS FOR COOLEST THIS MORNING WITH A READING OF 39 DEGREES.

LATE AFTERNOON WILL SEE A CHANGE IN WINDS TO THE NORTHWEST AS THE COOL FRONT ARRIVES ALONG THE NORTHERN BORDER. CLOUDS MOVING WEST TO EAST ACROSS THE NORTH WILL CARRY A FEW SHOWERS AND ISOLATED THUNDERSTORMS BUT CHANCES ARE STILL LOW FOR ANY SIGNIFICANT WETTING RAIN OVER THE NORTHERN FORESTS.

ITS BACK TO SUNNY SKIES AND WARM TO HOT TEMPERATURES AS SOON AS THURSDAY. NO RELIEF FROM DRY WEATHER AND HIGH FIRE DANGER IS LIKELY FOR FRIDAY AND THIS WEEKEND AS HIGH PRESSURE OVER THE STATE STRENGTHENS.

\$\$
KH

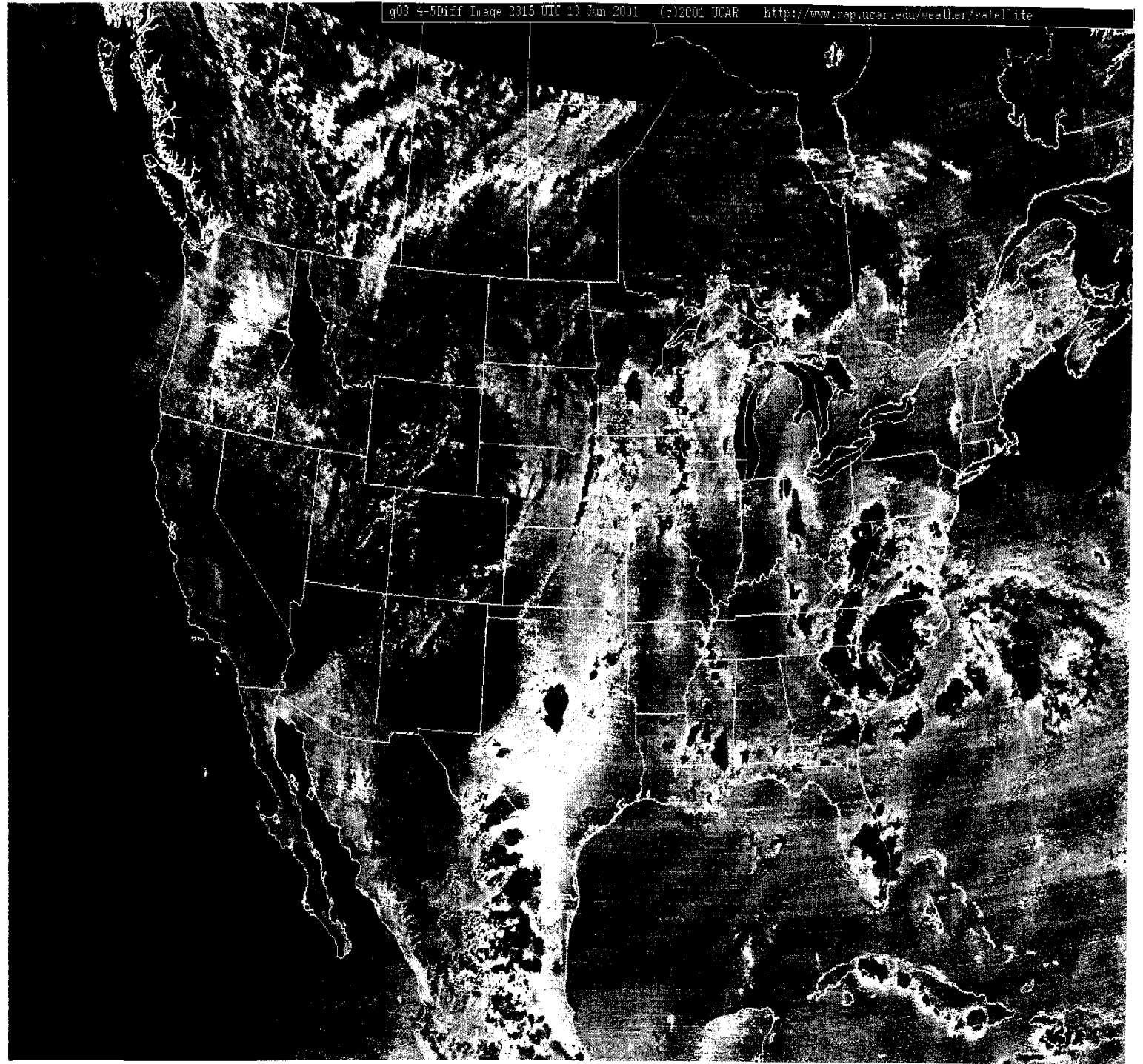
peak #1 *peak #2*
 Meteogram for KELP from 1300Z 13 JUN 01 to 1300Z 14 JUN 01



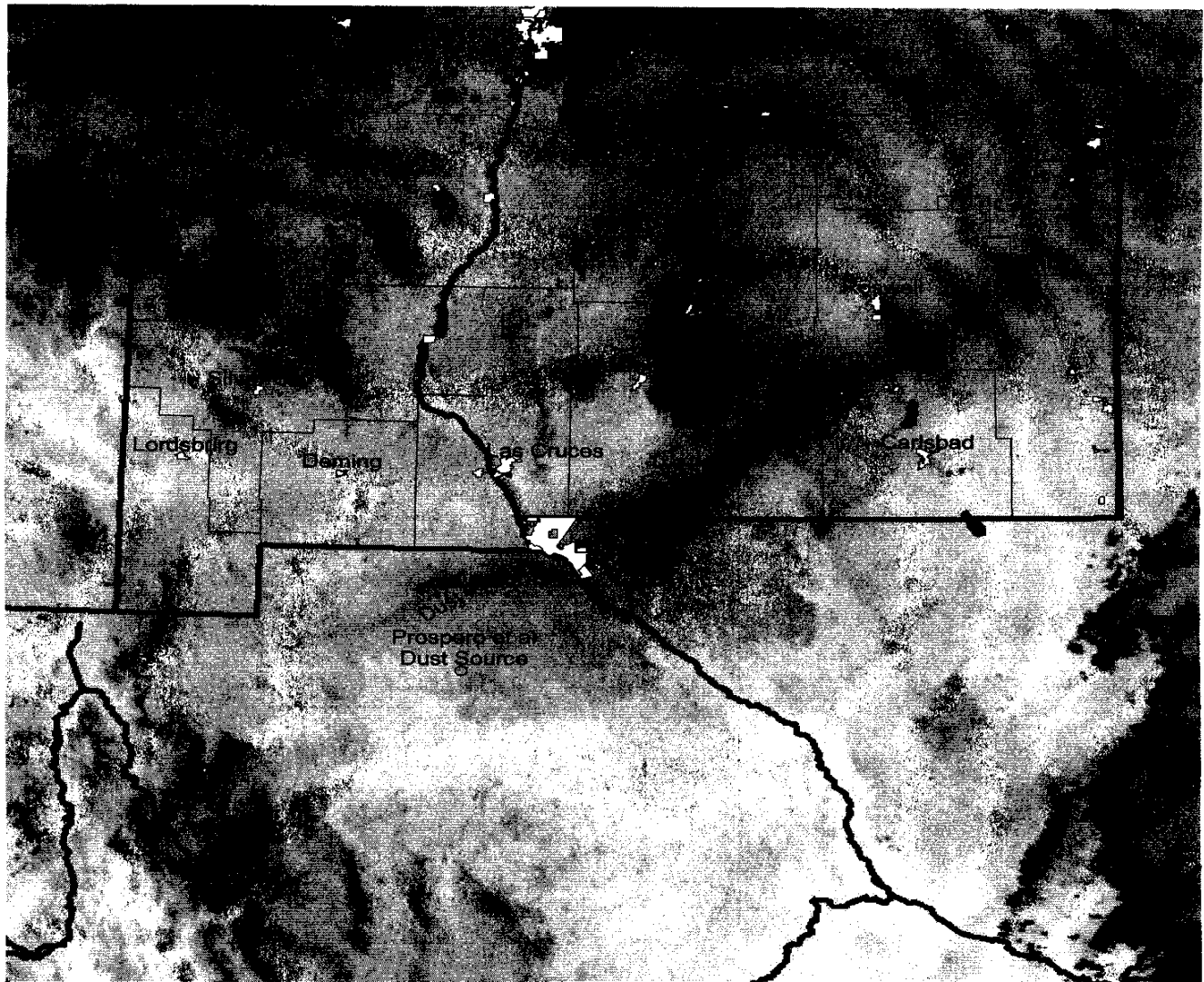
UTC

KELP

DOW	MON	DD	HH	MM	YYYY	Secs	WD	WS	Unit	Cond	T_C	DP_C	Pres	Sky	Vis	Unit	Ceiling	Unit	RH
Wed	Jun	13	6	51	2001	992415060	250	25	KT		28.3	4.4	999.5	Clear	9 mi		Unlimited		21
Wed	Jun	13	7	51	2001	992418660	260	27	KT		27.8	3.3	999.3	Clear	7 mi		Unlimited		20
Wed	Jun	13	8	51	2001	992422260	250	24	KT		26.7	4.4	999.5	Clear	10 mi		Unlimited		23
Wed	Jun	13	9	51	2001	992425860	240	18	KT		26.1	5	999.9	Clear	10 mi		Unlimited		25
Wed	Jun	13	10	51	2001	992429460	250	17	KT		25	6.1	1000.6	Clear	10 mi		Unlimited		29
Wed	Jun	13	11	51	2001	992433060	250	15	KT		23.9	6.7	1001.5	Clear	10 mi		Unlimited		33
Wed	Jun	13	12	51	2001	992436660	250	22	KT		24.4	1.1	1002	Clear	9 mi		Unlimited		21
Wed	Jun	13	13	51	2001	992440260	250	23	KT		25	-0.6	1002.5	Clear	10 mi		Unlimited		18
Wed	Jun	13	14	51	2001	992443860	230	20	KT		25.6	0.6	1002.9	Clear	10 mi		Unlimited		19
Wed	Jun	13	15	51	2001	992447460	240	22	KT		27.2	-1.7	1002.5	Clear	10 mi		Unlimited		15
Wed	Jun	13	16	51	2001	992451060	230	21	KT	BLDU	28.3	-2.8	1002.2	Clear	5 mi		Unlimited		13
Wed	Jun	13	17	51	2001	992454660	210	17	KT	BLDU	29.4	-0.6	1001.8	Clear	4 mi		Unlimited		14
Wed	Jun	13	18	51	2001	992458260	250	21	KT		31.1	-1.1	1000.7	Clear	10 mi		Unlimited		12
Wed	Jun	13	19	51	2001	992461860	220	26	KT		32.8	0	999.4	Clear	10 mi		Unlimited		12
Wed	Jun	13	20	51	2001	992465460	200	15	KT		33.9	1.7	998.6	Clear	10 mi		Unlimited		13
Wed	Jun	13	21	51	2001	992469060	230	23	KT	BLDU	33.9	2.2	997.5	Clear	3 mi		Unlimited		13
Wed	Jun	13	22	0	2001	992469600	240	23	KT	BLDU	34	2	1006	Clear	2.5 mi		Unlimited		13
Wed	Jun	13	22	51	2001	992472660	220	22	KT	BLDU	33.9	2.2	996.9	Clear	3 mi		Unlimited		13
Wed	Jun	13	23	51	2001	992476260	260	20	KT	BLDU	33.3	1.7	996.3	Clear	3 mi		Unlimited		13
Thu	Jun	14	0	51	2001	992479860	250	25	KT		32.8	0.6	996.5	Clear	7 mi		Unlimited		12
Thu	Jun	14	1	51	2001	992483460	240	21	KT		31.1	1.1	997	Clear	8 mi		Unlimited		14
Thu	Jun	14	2	51	2001	992487060	240	19	KT		30	1.7	998.2	Clear	10 mi		Unlimited		16
Thu	Jun	14	3	51	2001	992490660	250	18	KT		29.4	2.2	999.5	Clear	10 mi		Unlimited		17
Thu	Jun	14	4	51	2001	992494260	260	18	KT		28.3	3.9	1001	Clear	10 mi		Unlimited		21
Thu	Jun	14	5	51	2001	992497860	260	21	KT		27.2	5.6	1001.5	Clear	10 mi		Unlimited		25
Thu	Jun	14	6	51	2001	992501460	240	15	KT		26.7	6.7	1002.4	Clear	10 mi		Unlimited		27



June 13, 2001
AVHRR channel 4 23:56 UTC
Dust plume from Mexico



50 0 50 100 Miles



TNRCC/UTEP Web camera images

This camera is pointed south and located at the Undergraduate Learning Center, on the University of Texas El Paso (UTEP) campus. The hills and houses in the background are in Ciudad Juarez.



Image of a normal clear day

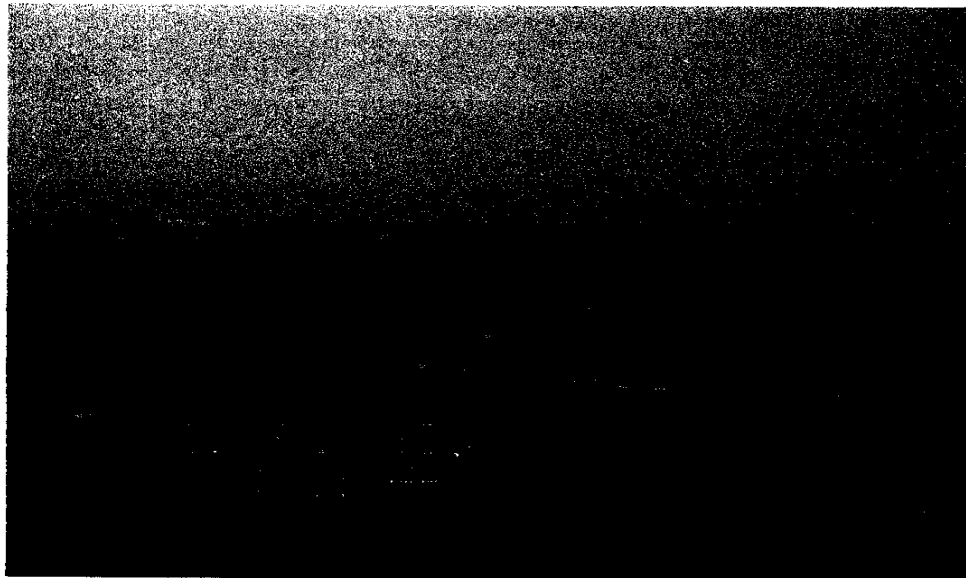


Image of dust pall on June 13, 2001 at 3:49 pm.

Surface (Units: 1 m)

W. Longitude for 27.0.13.4.1.1.1

 **unisys**

0 20 40 60 80 100 120 140 160 180 200 220 240 260